

KEY BENEFITS SUMMARY

- Torch-applied application
- Mineral surface provides a tough weather resistant finish
- Excellent low temperature flexibility at -35°C
- Bitumen modified with APAO
- High tensile strength polyester/glass fibre composite reinforcement
- Long-term UV stability
- Versatile, long-lasting material

PRODUCT INFORMATION

Description

RW830 is a APAO (amorphous polyalphaolefin), torch-on, reinforced bituminous membrane (RBM), for use as a cap sheet membrane.

Top Surface: Mineral granule

Reinforcement: Non-woven polyester and glass fibre

Underside: Fusible film

Usage / Purpose

Specified within POWERply torch-on systems, RW830 is designed for use as a high performance cap sheet membrane suitable for exposed or buried flat roof assemblies.

Colour

Standard Colours - Charcoal Grey and Terracotta.

Bespoke colours available upon request and subject to minimum order quantity.

Packaging

8m x 1m roll

44kg roll weight

Availability

Direct from Tremco CPG UK Limited (see bottom of leaflet for address and telephone details).

Application

- RW830 should be installed in accordance with the project specific specification and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.
- Roofing contractors should also be fully conversant with the guidelines set out in the National Federation of Roofing Contractors (NFRC) 'Safe2Torch' campaign.
- All operatives using gas torches during installation should be competent, conversant and capable of using such items in a safe and responsible manner.

- Gas torches must never be used in close proximity to combustible materials, decorative coatings and heat sensitive materials.

- In order to install the RW830 capping correctly, ensure that the surface is dry, free of oil, fat and dust and other impurities.

Installation

- Membrane sheets should be laid perpendicular to the specified falls and all sheet ends must be evenly staggered from subsequent sheets.
- To a suitable surface, begin rolling out whilst heating the reverse of the membrane with a gas torch ensuring the fusible film backing melts away exposing the bitumen core. The mineralised surface must always face upwards, and the membrane applied without folds or creases that may affect the overall finish.
- Membrane side and end laps should be minimum of 100mm and 150mm respectively. Ensure all laps face down the roof slope to avoid negative laps.
- Where safe to do so, all laps are to be sealed gas torch with a minimum 5mm bead of bitumen exuded.

NB: The granule colour may vary during its useful life due to the effect of the weather and other outside agents.

Installation Note

Please refer to Tremco Specification & Installation Guide for advice at all times.

Storage

Store in a cool, dry place, indoors avoid unnecessary opening of packaging or direct sunlight.

Chemical Resistance

RW830 is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

Health & Safety Precautions

Safety data sheets must be read and understood before use.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge. Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

TECHNICAL DATA

Characteristic	Test method	Units	Nominal values	Tolerances
Visible defects	EN 1850-1	visible	Without defects	
Length	EN 1848-1	m	8,000	-1% MLV
Width	EN 1848-1	m	1,000	-1% MLV
Straightness	EN 1848-1	mm	20mm x 10m	Pass
Thickness	EN 1849-1	mm	4.8	+10%
Mass per u.a.	EN 1849-1	Kg/sqm	5,4	±10%
Watertightness (A)	EN 1928	kPa	60	MLV
External fire performance	EN 13501-5	Class	Broof(t4)	Pass
Reaction to fire	EN 13501-1	Class	E	Pass
Shear resistance longitudinal/transversal	EN 12317-1	N/50mm	500/500	MLV
Tensile strength longitudinal/transversal	EN 12311-1	N/50mm	900/650	±20%
Elongation at break longitudinal/transversal	EN 12311-1	%	45/50	±15 absolute
Resistance to impact	EN 12691	mm	1250	MLV
Resistance to static loading Method A	EN 12730	Kg	20	MLV
Resistance to tearing (nail shank)	EN 12310-1	N	200/200	-30 N
Dimensional stability longitudinal/transversal	EN 1107-1 met A.	%	±0,3	MLV
Flexibility at low temperature	EN 1109	°C	-35	MLV
Flow resistance at elevated temperature	EN 1110	°C	140	MLV
Flexibility at low temperature after artificial ageing	EN 1269/EN 1109	°C	-35	MLV
Flow resistance at elevated temperature	EN 1269/EN 1110	°C	140	-10
Adhesion of granules	EN 12039	%	Max 30	MDV
Storage	Store in a cool, dry place and protect from direct light			
Shelf life	24 months when stored as recommended			

Tremco CPG UK - A Company approved to:

